

AMENDMENT AND RESPONSE TO OFFICIAL ACTION OF 12/02/2002

Applicants: Yoshiyuki Seki, et al.

U.S. Serial No. 09/896,565

Examiner: Thomas Y. Ho

Art Unit 3677

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REMARKS

With this Amendment, Claims 1, 4, 7, 10 and 13 have been amended and new Claims 17-19 have been added. Accordingly, Claims 1-2, 4-8, and 10-19 are pending.

Claims 17-19 find support on page 14, lines 13-32 and FIGURES 15-20 of the application as filed. No new matter has been added.

Reconsideration of the claims, as amended, is respectfully requested.

In the Final Office Action dated December 2, 2002, the Examiner objected to Claims 4-5 and 10-11 because they depend from cancelled claims. Claims 4 and 10 have been amended to be dependent on Claims 1 and 10, respectively.

Further, the Examiner rejected Claims 1, 7 and 13 under 35 U.S.C. §102(b) as anticipated by Peters (U.S. Pat. No. 4,438,964). The Examiner further rejected Claims 2 and 8 under 35 U.S.C. §103(a) as unpatentable as over Peters in view of cited case law. The Examiner further rejected Claims 4, 10, and 14 under 35 U.S.C. §103(a) as unpatentable over the combination of Peters and Tomaszewski, et al. (U.S. Pat. No. 5,894,749). Claims 5, 11, and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Peters, in view of Tomaszewski, et al., and further in view of Orr (U.S. Pat. No. 3,824,817). It is submitted that the pending claims, as amended, are patentably distinguishable from the art on which the Examiner has relied and, accordingly, reconsideration is respectfully requested.

In particular, independent Claims 1, 7 and 13 all define a lock wherein the second manipulator moves the holding member from the locking to the unlocking position both when the holding member is in the non-operational position and when the holding member is in the

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operational position.

The prior art on which the Examiner has relied neither teaches nor suggests the invention as defined in independent Claims 1, 7, and 13. In particular, Peters does not describe or suggest a lock for a lid wherein the second manipulator moves the holding member from the locking to the unlocking position both when the holding member is in the non-operational position and when the holding member is in the operational position. Figure 1 of Peters illustrates a latch mechanism having a locking means 36 that allows the latch to be locked to the latch post. As noted at column 3, lines 29-42, the lock 36 includes a locking bar 138 having ends 140 and 144. When the locking bar 138 is in its first pivotal position as shown in Figure 1, its second end 144 is clear of second end 84 of the latch bar 26. However, when the locking bar 138 is moved to a second pivotal position using a key, its second end 144 engages second end 84 of latch bar 26 to prevent retraction of the latch bar. In other words, once the lock is at its second pivotal position (not illustrated), the latch bar 26 can not be moved to the right to release the latch from the latch post.

Claims 2 and 4-6, Claims 8 and 10-12, and Claims 14-16 are dependent on Claims 1, 7 and 13 respectively, and are therefore patentable for at least the same reasons. In addition, each dependent claim adds structural limitations, which, in combination with the limitations of its respective base claim, are novel and non-obvious over the prior art on which the Examiner has relied.

With respect to independent Claim 17, none of the references cited by the Examiner disclose or suggest a lock having a second manipulator with a fragile portion that is broken due to excessive force applied to the second manipulator. Thus, Claim 17 and dependent Claims 18-19 are allowable.

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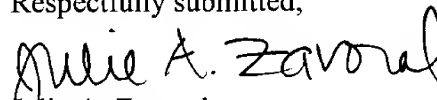
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In summary, the pending claims are novel and non-obvious over the prior art on which the Examiner has relied in this application and in view of the general level of skill in the art. Accordingly, allowance of Claims 1-2, 4-8, and 10-19 is respectfully solicited.

A marked-up version of the changes made to the specification and claims is attached and entitled *Version With Markings to Show Changes Made*.

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Respectfully submitted,



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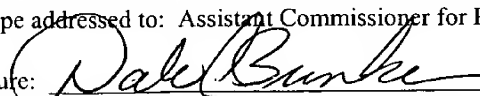
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Version With Markings to Show Changes Made

Wherein deleted material is shown in **[bracketed]** format and amended material is shown in **underlined** format as follows:

1. (Twice Amended) A lock for a lid that opens and closes a box, wherein one of the box and the lid is a first part and the other is a second part, the lock comprising:
 - a latch provided on the first part, wherein the latch engages a catch, which is on the second part, to prevent the lid from opening when the lid is closed;
 - a holding member, which moves between a locking position and an unlocking position, wherein the holding member engages the latch at the locking position and is disengaged from the latch at the unlocking position;
 - a first manipulator for opening the lid from an outer side of the box when the lid is closed, wherein the first manipulator moves the holding member from the locking position to the unlocking position;
 - a key lock mechanism, which shifts the holding member, by an externally manipulated key, between an operational position, at which movement of the holding member by the first manipulator is enabled, and a non-operational position, at which movement of the holding member by the first manipulator is disabled; and
 - a second manipulator for opening the lid from an inner side of the box when the lid is closed, wherein the second manipulator moves the holding member from the locking position to the unlocking position, **both when the holding member is in the non-operational position and when the holding member is in the operational position.**

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4. (Amended) The lock according to Claim [3] 1, wherein the key lock mechanism includes a rotor rotated by the key, wherein the rotor is connected to the holding member.

7. (Twice Amended) A lock for a lid that opens and closes a box, the lock comprising:

a catch extending from an inner surface of the box;

a latch provided on the lid, wherein the latch engages the catch to prevent the lid from opening when the lid is closed;

a holding member, which moves between a locking position and an unlocking position, wherein the holding member keeps the latch engaged with the catch when located at the locking position and releases the catch from the latch when located at the unlocking position;

a first manipulator for opening the lid from an outer side of the box when the lid is closed, wherein the first manipulator moves the holding member from the locking position to the unlocking position when enabled;

a key lock mechanism, which shifts the holding member, by an externally manipulated key, between an operational position, at which movement of the holding member by the first manipulator is enabled, and a non-operational position, at which movement of the holding member by the first manipulator is disabled; and

a second manipulator for opening the lid from an inner side of the box when the lid is closed, wherein the second manipulator moves the holding member from the locking position to the unlocking position, **both when the holding member is in the non-operational position and when the holding member is in the operational position.**

10. (Amended) The lock according to Claim [9] 7, wherein the key lock mechanism includes a rotor rotated by the key, wherein the rotor is connected to the holding member.

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13. (Twice Amended) A lock for a lid that opens and closes a box, the lock comprising:

a catch extending from an inner surface of the box;

a latch provided on the lid, wherein the latch engages the catch to prevent the lid from opening when the lid is closed;

a holding member, which moves between a locking position and an unlocking position, wherein the holding member keeps the latch engaged with the catch when located at the locking position and releases the catch from the latch when located at the unlocking position;

a first manipulator for opening the lid from an outer side of the box when the lid is closed, wherein the first manipulator moves the holding member from the locking position to the unlocking position; and

a second manipulator formed integrally with the holding member for opening the lid from an inner side of the box when the lid is closed, wherein the second manipulator moves the holding member from the locking position to the unlocking position; and

a key lock mechanism, which shifts the holding member, by an externally manipulated key, between an operational position, at which movement of the holding member by the first manipulator is enabled, and a non-operational position, at which movement of the holding member by the first manipulator is disabled, **wherein the second manipulator moves the holding member from the locking to the unlocking position both when the holding member is in the non-operational position and when the holding member is in the operational position.**